Index to Volume 53 January–December 2003

KEY

[A]	Article	[ED]	Education	[RT]	Roundtable
[AN]	AIBS News	[EOE]	Eye on Education	[SBA]	Special Book Article
[BB]	BioBriefs	[F]	Feature	[TOB]	Thinking of Biology
[BH]	Biology in History	[FO]	Forum	[V]	Viewpoint
[BR]	Book Review	[L]	Letter	[WW]	Washington Watch
[BT]	Biologist's Toolbox	[PB]	Professional Biologist		
[E]	Editorial	[PL]	Plenary		

Authors

Aber, J. see Driscoll, C. T.

———. see Foster, D.

Aber, J. D. see Galloway, J. N.

———. see Rastetter, E. B.

Aber, John D., Christine L. Goodale, Scott V. Ollinger, Marie-Louise Smith, Alison H. Magill, Mary E. Martin, Richard A. Hallett, and John L. Stoddard. [A] Is Nitrogen Deposition Altering the Nitrogen Status of Northeastern Forests? 4: 375

Abrahamson, L. P. see Volk, T. A.

Abrams, Marc D. [A] Where Has All the White Oak Gone? 10: 927

Aide, T. M. see Grau, H. R.

Alberti, Marina, John M. Marzluff, Eric Shulenberger, Gordon Bradley, Clare Ryan, and Craig Zumbrunnen. [A] Integrating Humans into Ecology: Opportunities and Challenges for Studying Urban Ecosystems, 12: 1169

Allen, E. B. see Fenn, M. E.

Allen, William. [EOE] Plant Blindness, 10: 926

Ammon, E. M. see Rood, S. B.

Amstrup, S. C. see Manly, B. F. J.

Aron, William, William T. Burke, and Milton Freeman. [L] Response to Mott from Aron, Burke, and Freeman, 3: 204

Avise, John C. [TOB] The Best and the Worst of Times for Evolutionary Biology, 3: 247

Balirwa, John S., Colin A. Chapman, Lauren J. Chapman, Ian G. Cowx, Kim Geheb, Les Kaufman, Rosemary H. Lowe-McConnell, Ole Seehausen, Jan H. Wanink, Robin L. Welcomme, and Frans Witte. [A] Biodiversity and Fishery Sustainability in the Lake Victoria Basin: An Unexpected Marriage? 8: 703

Ball, Lianne C. [BR] Wildlife Restoration: Techniques for Habitat Analysis and Animal Monitoring, 4: 436

Balmford, A. see Garnett, S.

Baron, J. S. see Fenn, M. E.

Barreno, E. see Margulis, L.

Bartleson, R. see Petersen, J. E.

Bartley, J. D. see Smith, S. V.

Bass, David. [A] Comparison of Freshwater Macroinvertebrate Communities on Small Caribbean Islands, 11: 1094

Batzli, J. see Ebert-May, D.

Beardsley, Timothy M. [E] Combining Tradition and Science, 2: 119

———. [E] A Lifeboat for a Lake, 8: 691

———. [E] Seeing the (UV) Light, 6: 539

———. [E] A Toast to Technology, 3: 199

Beissinger, S. R. see Noon, B. R.

Bell, S. S. see Cadenasso, M. L.

Belnap, J. see Strayer, D. L.

Belnap, Jayne, Christine V. Hawkes, and Mary K. Firestone. [A] Boundaries in Miniature: Two Examples from Soil, 8: 739

Ben-Ari, Elia T. [BB] Give Me Shelter, 6: 616

———. [BB] Plant–Microbe Interactions Go Airborne, 6: 616

Bennet-Clark, Henry C. [BR] Principles of Animal Locomotion, 6: 600

Benning, T. L. see Cadenasso, M. L.

Benstead, J. P. see March, J. G.

Benstead, Jonathan P., Patrick H. de Rham, Jean-Luc Gattolliat, François-Marie Gibon, Paul V. Loiselle, Michel Sartori, John S. Sparks, and Melanie L. J. Stiassny. [A] Conserving Madagascar's Freshwater Biodiversity, 11: 1101

Berggren, P. see Clapham, P. J.

Blaustein, Andrew R., and Lee B. Kats. [L] Amphibians in a Very Bad Light, 11: 1028

Bloom, A. J. see Gutschick, V. P.

Blundell, A. G. see Rodan, B. D.

Boohar, Richard K. [V] Training Future Ethical Leaders of Science, 8: 692

Bowman, W. D. see Fenn, M. E.

Boyer, E. see Driscoll, C. T.

Boynton, W. R. see Petersen, J. E.

Bradley, G. see Alberti, M.

Branch, G. see Scott, E. C.

Brasher, A. M. D. see Smith, G. C.
Brasher, Anne M. D. [A] Impacts of Human Disturbances on Biotic Communities in Hawaiian Streams, 11: 1052
Braun, D. P. see Parrish, J. D.
Briand, F. see Orians, G.
Britten, Hugh B. [BR] Introduction to Conservation Genetics, 3: 291
Broberg, Len. [PB] Conserving Ecosystems Locally: A Role for Ecologists in Land-Use Planning, 7: 670
Brokaw, N. see Foster, D.
Brownell, R. L. Jr. see Clapham, P. J.
Buddemeier, R. W. see Smith, S. V.
Burke, I. see Foster, D.
Burke, I. C. see Rastetter, E. B.
Burke, W. T. see Aron, W.
Burns, C. E. see Schmitz, O. J.
Cadenasso, Mary L., Steward T. A. Pickett, Kathleen C. Weathers, and Clive G. Jones. [A] A Framework for a Theory of Ecological Boundaries, 8: 750
Cadenasso, Mary L., Steward T. A. Pickett, Kathleen C. Weathers, Susan S. Bell, Tracy L. Benning, Margaret M. Carreiro, and Todd E. Dawson. [A] An Interdisciplinary and Synthetic Approach to Ecological Boundaries, 8: 717
Cafaro, P. J. see Freilich, J. E.
Cairns, John Jr. [BR] Searching for Sustainability: Interdisciplinary Essays in the Philosophy of Conservation Biology, 10: 1007
Carpenter, S. R. see Hobbie, J. E.
Carreiro, M. M. see Cadenasso, M. L.
Casella, G. see Wu, R.
Castro, M. see Driscoll, C. T.
Cavalier-Smith, Thomas. [BR] Acquiring Genomes: A Theory of the Origins of Species, 10: 1008
Chapin, F. S. III. see Symstad, A. J.
Chapman, C. A. see Balirwa, J. S.
Chapman, Jason W., Don R. Reynolds, and Alan D. Smith. [BT] Vertical-Looking Radar: A New Tool for Monitoring High-Altitude Insect Migration, 5: 503
Chapman, L. J. see Balirwa, J. S.
Chen, C.-C. see Petersen, J. E.
Chen, H. see Zhu, Y.
Childerhouse, S. see Clapham, P. J.
Clapham, Phillip J., Per Berggren, Simon Childerhouse, Nancy A. Friday, Toshio Kasuya, Laurence Kell, Karl-Hermann Kock, Silvia Manzanilla-Naim, Giuseppe Notarbartolo di Sciara, William F. Perrin, Andrew J. Read, Randall R. Reeves, Emer Rogan, Lorenzo Rojas-Bracho, Tim D. Smith, Michael Stachowitsch, Barbara L. Taylor, Deborah Thiele, Paul R. Wade, and Robert L. Brownell Jr. [V] Whaling as Science, 3: 210
Clegg, K. R. see Ellis, D. H.
Cohn, Jeffrey P. [BB] Bubble Bursts for Biosphere, 3: 308
———. [F] A New View of Saguaros, 3: 213
Colborn, T. see Orians, G.
Collins, S. L. see Turner, M. G.
Conti, Fiorenzo, and Silvana Irrera Conti. [BH] On Science and Literature: A Lesson from the Bernard–Zola Case, 9: 865
Conti, S. I. see Conti, F.
Cooley, John R., Chris Simon, and David C. Marshall. [A] Temporal Separation and Speciation in Periodical Cicadas, 2: 151
Copeland, S. see Fenn, M. E.
Cornwell, J. C. see Petersen, J. E.
Cosby, B. J. see Galloway, J. N.
Costa, James T. [V] Teaching Darwin with Darwin, 11: 1030
Covich, A. P. see Smith, G. C.
Cowling, E. B. see Galloway, J. N.
Cowx, I. G. see Balirwa, J. S.
Craig, Douglas A. [A] Geomorphology, Development of Running Water Habitats, and Evolution of Black Flies on Polynesian Islands, 11: 1079
Cronan, C. see Driscoll, C. T.
Crone, E. E. see Holl, K. D.
Crossland, C. J. see Smith, S. V.
Crowley, G. see Garnett, S.
Czech, Brian. [BR] The New Economy of Nature: The Quest to Make Conservation Profitable, 2: 180
D'Avanzo, Charlene. [ED] Application of Research on Learning to College Teaching: Ecological Examples, 11: 1121
Davis, Mark A. [A] Biotic Globalization: Does Competition from Introduced Species Threaten Biodiversity? 5: 481
Dawson, T. E. see Cadenasso, M. L.
Deacon, J. E. see Minckley, W. L.
Deegan, L. A. see Kratz, T. K.
DellaSala, D. see Noon, B. R.
Del Tredici, P. see Dosmann, M.
de Rham, P. H. see Benstead, J. P.
Devries, D. R. see Garvey, J. E.
Diamond, J. see Orians, G.
Dietz, Thomas. [BR] Earth Remains Forever: Generations at a Crossroads, 9: 884
di Sciara, G. N. see Clapham, P. J.
———. see Orians, G.
Dorr, Laurence J. [BR] Generic Tree Flora of Madagascar, 7: 678
Dosmann, Michael, and Peter Del Tredici. [FO] Plant Introduction, Distribution, and Survival: A Case Study of the 1980 Sino-American Botanical Expedition, 6: 588
Dowling, T. E. see Minckley, W. L.
Driscoll, Charles T. [E] Elevated Inputs of Reactive Nitrogen in the Environment: Causes, Consequences, and Controls, 4: 311
Driscoll, Charles T., David Whitall, John Aber, Elizabeth Boyer, Mark Castro, Christopher Cronan, Christine L. Goodale, Peter Groffman, Charles Hopkinson, Kathleen Lambert, Gregory Lawrence, and Scott Ollinger. [A] Nitrogen Pollution in the Northeastern United States: Sources, Effects, and Management Options, 4: 357
Duda, J. J. see Freilich, J. E.
Duff, J. W. see Ellis, D. H.
Dupra, V. C. see Smith, S. V.
Dybas, Cheryl Lyn. [F] Bioethics in a Changing World: Report from AIBS's 54th Annual Meeting, 9: 798
———. [F] Harmful Algal Blooms: Biosensors Provide New Ways of Detecting and Monitoring Growing Threat in Coastal Waters, 10: 918
Dyble, J. see Paerl, H. W.

Dykaar, Bruce B., and David A. Schrom. [FO] Public Ownership of US Streambeds and Floodplains: A Basis for Ecological Stewardship, 4: 428

Ebert-May, Diane, Janet Batzli, and Heejun Lim. [ED] Disciplinary Research Strategies for Assessment of Learning, 12: 1221

Edmunds, Peter J., and Ruth D. Gates. [FO] Has Coral Bleaching Delayed Our Understanding of Fundamental Aspects of Coral–Dinoflagellate Symbioses? 10: 976

Eernisse, Douglas J. [BR] Invertebrates, 8: 774

Ehleringer, J. R. see Pataki, D. E.

Ehrlich, Paul R. [PL] Bioethics: Are Our Priorities Right? 12: 1207

Eisner, Thomas. [FO] Living Fossils: On Lampreys, *Baronia*, and the Search for Medicinals, 3: 265

Ellis, David H., William J. L. Sladen, William A. Lishman, Kent R. Clegg, Joseph W. Duff, George F. Gee, and James C. Lewis. [FO] Motorized Migrations: The Future or Mere Fantasy? 3: 260

Ellsworth, D. S. see Pataki, D. E.

Elser, James J., John D. Nagy, and Yang Kuang. [FO] Biological Stoichiometry: An Ecological Perspective on Tumor Dynamics, 11: 1112

Emlen, J. M. see Freilich, J. E.

Er, K. B. H. see Innes, J. L.

Erisman, J. W. see Galloway, J. N.

Ervin, Jamison. [A] Protected Area Assessments in Perspective, 9: 819

———. [A] Rapid Assessment of Protected Area Management Effectiveness in Four Countries, 9: 833

Evans, R. D. see Pataki, D. E.

Faber-Langendoen, Don. [L] Ranking Forest Rarity: No Need to Reinvent that Wheel! 3: 200

Fagan, W. F. see Strayer, D. L.

Fagan, William F., Marie-Josée Fortin, and Candan Soykan. [A] Integrating Edge Detection and Dynamic Modeling in Quantitative Analyses of Ecological Boundaries [A] 8: 730

Fagre, D. B. see Hall, M. H. P.

Fay, P. A. see Weltzin, J. F.

Fenn, Mark E., Jill S. Baron, Edith B. Allen, Heather M. Rueth, Koren R. Nydick, Linda Geiser, William D. Bowman, James O. Sickman, Thomas Meixner, Dale W. Johnson, and Peter Neitlich. [A] Ecological Effects of Nitrogen Deposition in the Western United States, 4: 404

Fenn, Mark E., Richard Haeuber, Gail S. Tonnesen, Jill S. Baron, Susanne Grossman-Clarke, Diane Hope, Daniel A. Jaffe, Scott Copeland, Linda Geiser, Heather M. Rueth, and James O. Sickman. [A] Nitrogen Emissions, Deposition, and Monitoring in the Western United States, 4: 391

Firestone, M. K. see Belnap, J.

Font, William F. [A] The Global Spread of Parasites: What Do Hawaiian Streams Tell Us? 11: 1061

Foreman, W. T. see Garrison, V. H.

Fort, Denise D. [BR] Water Follies: Groundwater Pumping and the Fate of America's Fresh Waters, 6: 601

Fortin, M.-J. see Fagan, W. F.

Foster, David, Frederick Swanson, John Aber, Ingrid Burke, Nicholas Brokaw, David Tilman, and Alan Knapp. [A] The Importance of Land-Use Legacies to Ecology and Conservation, 1: 77

Freeman, D. C. see Freilich, J. E.

Freeman, M. see Aron, W.

Freilich, Jerome E., John M. Emlen, Jeffrey J. Duda, D. Carl Freeman, and Philip J. Cafaro. [FO] Ecological Effects of Ranching: A Six-Point Critique, 8: 759

2004 WORLD CONGRESS on In Vitro Biology

San Francisco, California • May 22-26, 2004

EMERGING GLOBAL BIOTECHNOLOGIES

Plenary Speaker: Dr. Kary Banks Mullis, PhD
Burnstein Technologies
1993 Nobel Laureate for Chemistry for the Discovery of the Polymerase Chain Reaction

Abstract Submission: The World Congress Program Committee will accept abstracts to be considered for oral and poster presentations during the meeting. The abstracts will be published in an issue of *In Vitro Cellular and Developmental Biology*. The Early-bird Deadline for abstract submission is January 31, 2004. Please visit our website at www.sivb.org/meetings.asp for more information.

Scientific Attendees: In Vitro Cell Biology, Cellular Toxicology, Biotechnology, Bioengineering, Tissue Engineering, Marine/Fish Biology, Entomology, Plant Crop, and Plant Biology scientists and students.

Free Registration for Students: To support the Society's vision of encouraging education and informational exchange, we are offering all students free registration to the scientific sessions of the 2004 World Congress. Also, as an added bonus, all student registrants will receive 2005 membership to the Society at no charge!

World Congress Sponsors:
Society for In Vitro Biology (SIVB)
Canadian Chapter of the IAPTC&B
European Tissue Culture Society (ETCS)
Japanese Association for Animal Cell Technology (JAACT)
Japanese Society of Plant Cell and Molecular Biology (JSPCMB)
Swiss Tissue Culture Society (STCS)
The Japanese Tissue Culture Association (JTCA)

For more information, please visit our website at www.sivb.org

Exhibit and Advertisement Space Available: Contact Congress Secretariat, Marietta Wheaton Ellis, Society for In Vitro Biology, 9315 Largo Drive West, Suite 255, Largo, MD 20774, (301) 324-5054, email: sivb@sivb.org.

Friday, N. A. see Clapham, P. J.
Froelich, Adrienne. [WW] Army Corps: Retreating or Issuing a New Assault on Wetlands? 2: 130
———. [WW] New Legislation Advocates Free Access to Scientific Publications, but at What Cost? 9: 804
———. [WW] Ocean Policymakers Shift Attention Upstream, 7: 630
———. [L] Response from Froelich, 1: 4
———. [WW] Smithsonian Science: First Class on a Coach Budget, 4: 328
———. [WW] Third Time a Charm for NSF's National Ecological Observatory Network? 12: 1158
———. [WW] To Publish, or Not to Publish, after 9/11, 1: 8
———. [WW] Will EPA Attain Cabinet Status? 11: 1040
Galloway, James N., John D. Aber, Jan Willem Erisman, Sybil P. Seitzinger, Robert W. Howarth, Ellis B. Cowling, and B. Jack Cosby. [A] The Nitrogen Cascade, 4: 341
Gardner, R. H. see Petersen, J. E.
Garnett, Stephen, Gabriel Crowley, and Andrew Balmford. [FO] The Costs and Effectiveness of Funding the Conservation of Australian Threatened Birds, 7: 658
Garrison, Virginia H., Eugene A. Shinn, William T. Foreman, Dale W. Griffin, Charles W. Holmes, Christina A. Kellogg, Michael S. Majewski, Laurie L. Richardson, Kim B. Ritchie, and Garriet W. Smith. [A] African and Asian Dust: From Desert Soils to Coral Reefs, 5: 469
Garvey, James E. [BR] Hierarchical Perspectives on Marine Complexities: Searching for Systems in the Gulf of Maine, 10: 1004
Garvey, James E., Dennis R. Devries, Russell A. Wright, and Jeffrey G. Miner. [A] Energetic Adaptations along a Broad Latitudinal Gradient: Implications for Widely Distributed Assemblages, 2: 141
Gates, R. D. see Edmunds, P. J.
Gattolliat, J.-L. see Benstead, J. P.
Gee, G. F. see Ellis, D. H.
Geheb, K. see Balirwa, J. S.
Geiser, L. see Fenn, M. E.
Getz, Wayne. [V] "Evo-Devo" and the Conundrum of Sympatric Speciation, 4: 313
Getz, Wayne M. [BR] Complex Population Dynamics: A Theoretical/Empirical Synthesis, 9: 885
Gibon, F.-M. see Benstead, J. P.
Ginzburg, Margaret. [BR] The Way of the Cell: Molecules, Organisms, and the Order of Life, 12: 1230
Goldman, Jeffrey A. [E] NEON Illuminated, 5: 447
Gomez, E. see Orians, G.
Gonzales-Meler, M. see Pataki, D. E.
Goodale, C. L. see Aber, J. D.
———. see Driscoll, C. T.
Goodman, Dan. [L] Japan's Proper Whaling Research, 5: 448
Goodman, Peter S. [A] Assessing Management Effectiveness and Setting Priorities in Protected Areas in KwaZulu-Natal, 9: 843
Gosz, J. R. see Hobbie, J.E.
Gourley, C. R. see Rood, S. B.
Grant, B. Rosemary, and Peter R. Grant. [PL] What Darwin's Finches Can Teach Us about the Evolutionary Origin and Regulation of Biodiversity, 10: 965
Grant, P. R. see Grant, B. R.
Grau, H. Ricardo, T. Mitchell Aide, Jess K. Zimmerman, John R. Thomlinson, Eileen Helmer, and Xioming Zou. [A] Ecological Consequences of Socioeconomic and Land-Use Changes in Postagriculture Puerto Rico, 12: 1159
Greenland, David, Bruce P. Hayden, John J. Magnuson, Scott V. Ollinger, Roger A. Pielke Sr., and Raymond C. Smith. [A] Long-Term Research on Biosphere–Atmosphere Interactions, 1: 33
Griffin, D. W. see Garrison, V. H.
Grimm, N. B. see Hobbie, J.E.
Groffman, P. see Driscoll, C. T.
Gropp, Robert E. [WW] Are University Natural Science Collections Going Extinct? 6: 550
———. [WW] Evolution Activists Organize to Combat Pseudoscience in Public Schools, 8: 700
———. [WW] Evolving Taxonomy of Biological Research, 5: 468
———. [WW] USGS: Science Serving Society, 10: 924
Gross, K. L. see Symstad, A. J.
Grossman-Clarke, S. see Fenn, M. E.
Guillemin, R. see Orians, G.
Gutierrez, A. see Reaser, J. K.
Gutiérrez, J. R. see Meserve, P. L.
Gutschick, Vincent P., and Arnold J. Bloom. [RT] Crossroads of Animal, Plant, and Microbial Physiological Ecology, 3: 256
Haddad, B. M. see Weltzin, J. F.
Haeuber, R. see Fenn, M. E.
Hall, Myrna H. P., and Daniel B. Fagre. [A] Modeled Climate-Induced Glacier Change in Glacier National Park, 1850–2100, 2: 131
Hallett, R. A. see Aber, J. D.
Hancock, James F. [FO] A Framework for Assessing the Risk of Transgenic Crops, 5: 512
Harmon, M. E. see Kratz, T. K.
Harte, J. see Weltzin, J. F.
Hartshorn, Gary. [E] Visa Restrictions and Science, 12: 1147
Hartshorn, Gary S. [E] Your AIBS, 1: 3
Hatch, J. see Moore, R.
Hawkes, C. V. see Belnap, J.
Hayden, B. P. see Greenland, D.
Hedrick, P. W. see Minckley, W. L.
Heki, L. G. see Rood, S. B.
Helmer, E. see Grau, H. R.
Heyer, W. Ronald. [V] Ultraviolet-B and Amphibia, 6: 540
Higgins, Linden. [BR] Life History Evolution, 2: 183
Hinkle, D. C. see Petersen, J. E.
Hobbie, John E. [A] Scientific Accomplishments of the Long Term Ecological Research Program: An Introduction, 1: 17
Hobbie, John E., Stephen R. Carpenter, Nancy B. Grimm, James R. Gosz, and Timothy R. Seastedt. [A] The US Long Term Ecological Research Program, 1: 21
Hockings, Marc. [A] Systems for Assessing the Effectiveness of Management in Protected Areas, 9: 823
Holl, Karen D, Elizabeth E. Crone, and Cheryl B. Schultz. [A] Landscape Restoration: Moving from Generalities to Methodologies, 5: 491
Holmes, C. W. see Garrison, V. H.
Holt, Sidney. [L] Aiding and Abetting the Whaling Industry, 5: 449

Holt, Sidney J. [L] Tortuous History of "Scientific" Japanese Whaling, 3: 204
Hope, D. see Fenn, M. E.
Hopkinson, C. see Driscoll, C. T.
Houde, E. D. see Petersen, J. E.
Houston, D. B. see Smith, D. W.
Howarth, R. W. see Galloway, J. N.
Huenneke, L. F. see Symstad, A. J.
Huxman, T. E. see Weltzin, J. F.
Innes, John L., and Kenneth B. H. Er. [L] Response from Innes and Er, 2: 200
Jaffe, D. A. see Fenn, M. E.
Jarrett, Robert. [SBA] Environment: Collateral Victim and Tool of War, 9: 880
Jensen, M. see Moore, R.
Jensen, Mari N. [F] Coming of Age at 100: Renewing the National Wildlife Refuge System, 4: 321
Johnson, D. W. see Fenn, M. E.
Johnston, K. M. see Schmitz, O. J.
Jones, C. G. see Cadenasso, M. L.
Joyce, Kate M. [BR] Eugene Odum: Ecosystem Ecologist and Environmentalist, 12: 1229
Jungck, John R. [BR] The Misunderstood Gene, 1: 100
Kasuya, T. see Clapham, P. J.
Kats, L. B. see Blaustein, A. R.
Kaufman, L. see Balirwa, J. S.
Kavanagh, K. L. see Peery, C. A.
Kearney, Maureen. [BR] Herpetology: An Introductory Biology of Amphibians and Reptiles, 3: 286
Keeney, Dennis. [BR] Terrorism, Radicalism, and Populism in Agriculture, 9: 890
Kell, L. see Clapham, P. J.
Keller, C. see Nelson, R.
Kellogg, C. A. see Garrison, V. H.
Kelt, D. A. see Meserve, P. L.
Kemp, W. M. see Petersen, J. E.
King, J. see Pataki, D. E.
Klotz, J. R. see Rood, S. B.
Klug, A. see Orians, G.
Knapp, A. see Foster, D.
Knapp, A. K. see Weltzin, J. F.
Kock, K.-H. see Clapham, P. J.
Konishi, M. see Orians, G.
Kostyack, John. [L] Protecting Green Infrastructure, 1: 5
Kratz, Timothy K., Linda A. Deegan, Mark E. Harmon, and William K. Lauenroth. [A] Ecological Variability in Space and Time: Insights Gained from the US LTER Program, 1: 57
Kuang, Y. see Elser, J. J.
Lach, Denise. [BR] A Citizen's Guide to Ecology, 9: 888
Lach, Denise, Peter List, Brent Steel, and Bruce Shindler. [FO] Advocacy and Credibility of Ecological Scientists in Resource Decisionmaking: A Regional Study, 2: 170
Lalanne, M. see Michaud-Lalanne, H.
Laliberte, Andrea S., and William J. Ripple. [BH] Wildlife Encounters by Lewis and Clark: A Spatial Analysis of Interactions between Native Americans and Wildlife, 10: 994
Lambert, K. see Driscoll, C. T.
Lauenroth, W. K. see Kratz, T. K.
Lawrence, G. see Driscoll, C. T.
Leavitt, S. W. see Pataki, D. E.
Levy, Sharon. [F] Getting the Drop on Hawaiian Invasives, 8: 694
———. [F] Turbulence in the Klamath River Basin, 4: 315
Lewis, J. C. see Ellis, D. H.
Licht, Lawrence E. [A] Shedding Light on Ultraviolet Radiation and Amphibian Embryos, 6: 551
———. [L] Response by Licht, 11: 1029
Lidicker, William Z. Jr. [L] Mistaken Identity, 1: 4
Lim, H. see Ebert-May, D.
Lin, G. see Pataki, D. E.
———. see Weltzin, J. F.
Lishman, W. A. see Ellis, D. H.
List, P. see Lach, D.
Lockwood, Jeffrey A. [BR] A Plague of Rats and Rubbervines: The Growing Threat of Species Invasions, 1: 99
Loik, M. E. see Weltzin, J. F.
Loiselle, P. V. see Benstead, J. P.
Lorimer, Craig G. [E] The Decline of Oak Forests, 10: 915
Lou, X.-Y. see Wu, R.
Loudon, Catherine. [BR] Insect Physiology and Biochemistry, 10: 1006
———. [BR] Physiological Systems in Insects, 10: 1006
Lowe-McConnell, R. H. see Balirwa, J. S.
Lu, B.-R. see Zhu, Y.
Lubchenco, J. see Orians, G.
Lubkowitz, Mark. [BR] Primer of Genome Science, 3: 290
Lugo, A. E. see Turner, M. G.
Lundmark, Cathy. [EOE] BEN: The Biology Branch of the National Science Digital Library, 7: 631
———. [EOE] BioBlitz: Getting into Backyard Diversity, 4: 329
———. [BB] British Biologists Form Biosciences Federation, 11: 1144
———. [BB] Building Better Phylogenetic Trees, 12: 1242
———. [BB] Discovering Life...on Earth, 12: 1242
———. [BB] Diversity Deters Invaders, 9: 912
———. [BB] Hybrid Vigor in Corn, 9: 912
———. [BB] Iridescent Butterflies, 7: 688
———. [BB] Marine Reserve Model Protects Biodiversity and Fisheries, 2: 196
———. [BB] Negotiating the Trade-offs of Conservation, 1: 116
———. [BB] Night Lights, 7: 688
———. [BB] Possible Propensity for Sexual Selection, 4: 444
———. [BB] Potato Gene for Blight Resistance Cloned, 9: 912
———. [BB] Scientists Recommend "Go Slow" with Introduction of Nonnative Oysters in Chesapeake Bay, 10: 1024
———. [BB] Sexual Selection of Complex Songs, 4: 444
———. [BB] What Wilderness Remains, 2: 196
Luz, L. see Shanley, P.
Ma, C.-X. see Wu, R.
Magill, A. H. see Aber, J. D.
Magnuson, J. J. see Greenland, D.
———. see Turner, M. G.
Majewski, M. S. see Garrison, V. H.
Malone, T. C. see Petersen, J. E.

Mankiewicz, Carol. [BR] Marine Biology: Function, Biodiversity, Ecology, 3: 288
Manly, Bryan F. J., Trent L. McDonald, Steven C. Amstrup, and Eric V. Regehr. [BT] Improving Size Estimates of Open Animal Populations by Incorporating Information on Age, 7: 666
Manzanilla-Naim, S. see Clapham, P. J.
March, James G., Jonathan P. Benstead, Catherine M. Pringle, and Frederick N. Scatena. [A] Damming Tropical Island Streams: Problems, Solutions, and Alternatives, 11: 1069
Margoluis, R. see Salafsky, N.
Margulis, Lynn. [BR] Liaisons of Life: From Hornworts to Hippos, How the Unassuming Microbe Has Driven Evolution, 2: 179
Margulis, Lynn, and Eva Barreno. [BR] Lichens of North America, 8: 776
Marsh, P. C. see Minckley, W. L.
Marshall, D. C. see Cooley, J. R.
Martin, M. E. see Aber, J. D.
Martin, Paul S. [BR] Lost World of the Moa: Prehistoric Life of New Zealand, 4: 434
Marzluff, J. M. see Alberti, M.
Matamala, R. see Pataki, D. E.
Matthews, W. J. see Minckley, W. L.
Maxwell, B. A. see Smith, S. V.
McDonald, T. L. see Manly, B. F. J.
McKeown, Rosalyn. [PB] Working with K–12 Schools: Insights for Scientists, 9: 870
McKinney, Michael L. [L] Response from McKinney, 1: 5
———. [BR] Understanding Urban Ecosystems: A New Frontier for Science and Education, 11: 1132
McLaughlin, C. J. see Smith, S. V.
Mee, L. see Orians, G.
Meixner, T. see Fenn, M. E.
Meserve, Peter L., Douglas A. Kelt, W. Bryan Milstead, and Julio R. Gutiérrez. [A] Thirteen Years of Shifting Top-Down and Bottom-Up Control, 7: 633
Meyerson, L. see Reaser, J. K.
Michaud-Lalanne, Hortense, and Mario Lalanne. [L] Renewable Energy: Getting the Numbers Straight, 4: 312
Milstead, W. B. see Meserve, P. L.
Minckley, W. L., Paul C. Marsh, James E. Deacon, Thomas E. Dowling, Philip W. Hedrick, William J. Matthews, and Gordon Mueller. [A] A Conservation Plan for Native Fishes of the Lower Colorado River, 3: 219
Miner, J. G. see Garvey, J. E.
Mittelbach, G. G. see Symstad, A. J.
Mitton, Jeffry B. [V] The Union of Ecology and Evolution: Extended Phenotypes and Community Genetics, 3: 208
Mlot, Christine. [F] The Perfect Windstorm Study, 7: 624
Moisander, P. H. see Paerl, H. W.
Moore, Randy, Murray Jensen, and Jay Hatch. [ED] Twenty Questions: What Have the Courts Said about the Teaching of Evolution and Creationism in Public Schools? 8: 766
Morrison, M. L. see Rood, S. B.
Morse, M. Patricia. [EOE] Preparing Biologists for the 21st Century, 1: 9
Mosley, D. see Rood, S. B.
Mott, Richard N. [L] Neutral Judges in a Debate on Scientific Merits? 3: 203
Mowitt, W. P. see Petersen, J. E.
Mueller, G. see Minckley, W. L.
Murphy, D. D. see Noon, B. R.
Murray, L. see Petersen, J. E.
Myers, Norman. [V] Biodiversity Hotspots Revisited, 10: 916
———. [BR] The Story of Life, 7: 676
Nagy, J. D. see Elser, J. J.
Nash, Steve. [F] The Phantom Forest: Research on Gene-Altered Trees Leaps Ahead, into a Regulatory Limbo, 5: 462
Neitlich, P. see Fenn, M. E.
Nelson, Ross, Michael A. Valenti, Austin Short, and Cherry Keller. [BT] Multiple Resource Inventory of Delaware Using Airborne Laser Data, 10: 981
Nesse, Randolph M., and Joshua D. Schiffman. [ED] Evolutionary Biology in the Medical School Curriculum, 6: 585
Noon, Barry R. [BR] The State of the Nation's Ecosystems: Measuring the Lands, Waters, and Living Resources of the United States, 7: 674
Noon, Barry R., Dennis D. Murphy, Steven R. Beissinger, Mark L. Shaffer, and Dominick DellaSala. [FO] Conservation Planning for US National Forests: Conducting Comprehensive Biodiversity Assessments, 12: 1217
Norgaard, Richard B. [SBA] Which We, Whose Wisdom, Whither the Mountain West? 3: 278
Norris, Scott. [F] Neutral Theory: A New, Unified Model for Ecology, 2: 124
Norse, E. see Orians, G.
Nydick, K. R. see Fenn, M. E.
O'Grady, Richard T. [E] Open Access? Open Wallets! 11: 1027
Ojima, D. S. see Rastetter, E. B.
Ollinger, S. see Driscoll, C. T.
Ollinger, S. V. see Aber, J. D.
———. see Greenland, D.
Orians, Gordon, Frederic Briand, Jared Diamond, Theo Colborn, Edgardo Gomez, Roger Guillemin, Sir Aaron Klug, Masakazu Konishi, Jane Lubchenco, Laurence Mee, Elliott Norse, Giuseppe Notarbartolo di Sciara, Roger Payne, Carl Safina, David Suzuki, Edward O. Wilson, and George Woodwell. [L] "Scientists versus Whaling": Whose Errors of Judgment? 3: 200
Padian, Kevin. [V] Four-Winged Dinosaurs, Bird Precursors, or Neither? 5: 450
Paerl, Hans W., Lexia M. Valdes, James L. Pinckney, Michael F. Piehler, Julianne Dyble, and Pia H. Moisander. [A] Phytoplankton Photopigments as Indicators of Estuarine and Coastal Eutrophication, 10: 953
Parks, Noreen. [WW] Fresh Approaches to Freshwater Research, 3: 218
Parrish, Jeffrey D., David P. Braun, and Robert S. Unnasch. [A] Are We Conserving What We Say We Are? Measuring Ecological Integrity within Protected Areas, 9: 851
Pataki, Diane E., David S. Ellsworth, R. Dave Evans, Miquel Gonzales-Meler, John King, Steven W. Leavitt, Guanghui Lin, Roser Matamala, Elise Pendall, Rolf Siegwolf, Chris van Kessel, and

James R. Ehleringer. [A] Tracing Changes in Ecosystem Function under Elevated Carbon Dioxide Conditions, 9: 805
Pawar, Samraat. [FO] Taxonomic Chauvinism and the Methodologically Challenged, 9: 861
Payne, R. see Orians, G.
Peery, Christopher A., Kathleen L. Kavanagh, and J. Michael Scott. [V] Pacific Salmon: Setting Ecologically Defensible Recovery Goals, 7: 622
Pendall, E. see Pataki, D. E.
Perrin, W. F. see Clapham, P. J.
Peters, D. P. C. see Rastetter, E. B.
———. see Symstad, A. J.
Petersen, John E., W. Michael Kemp, Rick Bartleson, Walter R. Boynton, Chung-Chi Chen, Jeffrey C. Cornwell, Robert H. Gardner, Debbie C. Hinkle, Edward D. Houde, Thomas C. Malone, William P. Mowitt, Laura Murray, Lawrence P. Sanford, Court J. Stevenson, Karen L. Sundberg, and Steve E. Suttles. [A] Multiscale Experiments in Coastal Ecology: Improving Realism and Advancing Theory, 12: 1181
Peterson, R. O. see Smith, D. W.
Pickett, S. T. A. see Cadenasso, M. L.
———. see Strayer, D. L.
Piehler, M. F. see Paerl, H. W.
Pielke, R. A. Sr. see Greenland, D.
Pimentel, David. [L] Response from Pimentel, 4: 312
———. [L] Response from Pimentel, 7: 621
Pinckney, J. L. see Paerl, H. W.
Plowden, Campbell. [BR] Plant Resins: Chemistry, Evolution, Ecology, and Ethnobotany, 12: 1233
Pockman, W. T. see Weltzin, J. F.
Post, E. see Schmitz, O. J.
Power, M. E. see Strayer, D. L.
Powledge, Fred. [F] Island Biogeography's Lasting Impact, 11: 1032
Pringle, C. M. see March, J. G.
Pugh, John C. [V] New Climate-Change Data Place Policymakers in the Hot Seat, 6: 542
Rabalais, N. N. see Turner, R. E.
Rastetter, Edward B., John D. Aber, Debra P. C. Peters, Dennis S. Ojima, and Ingrid C. Burke. [A] Using Mechanistic Models to Scale Ecological Processes across Space and Time, 1: 68
Read, A. J. see Clapham, P. J.
Reaser, Jamie K., Alexis Gutierrez, and Laura Meyerson. [BR] Biological Invasions: Economic and Environmental Costs of Alien Plant, Animal, and Microbe Species, 6: 598
Reeves, R. R. see Clapham, P. J.
Regehr, E. V. see Manly, B. F. J.
Reynolds, D. R. see Chapman, J. W.
Richardson, L. R. see Garrison, V. H.
Ripple, W. J. see Laliberte, A. S.
Ritchie, K. B. see Garrison, V. H.
Rodan, Bruce D., and Arthur G. Blundell [E] Can Sustainable Mahogany Stem from CITES Science? 7: 619
Rogan, E. see Clapham, P. J.
Rojas-Bracho, L. see Clapham, P. J.
Rood, Stewart B., Chad R. Gourley, Elisabeth M. Ammon, Lisa G. Heki, Jonathan R. Klotz, Michael L. Morrison, Dan Mosley, G. Gary Scoppettone, Sherman Swanson, and Paul L. Wagner. [A] Flows for Floodplain Forests: A Successful Riparian Restoration 7: 647
Rosenhouse, Jason. [V] Leaders and Followers in the Intelligent-Design Movement, 1: 6
Rueth, H. M. see Fenn, M. E.
Rupp, T. S. see Turner, M. G.
Ruse, Michael. [SBA] Stewardship for the Earth: A Review of Some Recent Books on Biology and Values, 9: 876
Ryan, C. see Alberti, M.
Safina, C. see Orians, G.
Salafsky, Nick, and Richard Margoluis. [V] What Conservation Can Learn from Other Fields about Monitoring and Evaluation, 2: 120
Samper, Cristián. [V] The Millennium Ecosystem Assessment: Science and Policy for Sustainable Development, 12: 1148
Sandhei, P. T. see Smith, S. V.
Sanford, L. P. see Petersen, J. E.
Sartori, M. see Benstead, J. P.
Scatena, F. N. see March, J. G.
Schaefer, Mark. [BR] Policy Process: A Practical Guide for Natural Resource Professionals, 5: 520
Schiffman, J. D. see Nesse, R. M.
Schimel, David S. [BR] Ecological Stoichiometry: The Biology of Elements from Molecules to the Biosphere, 5: 521
Schmitz, Oswald J., Eric Post, Catherine E. Burns, and Kevin M. Johnston. [A] Ecosystem Responses to Global Climate Change: Moving Beyond Color Mapping, 12: 1199
Schrom, D. A. see Dykaar, B. B.
Schultz, C. B. see Holl, K. D.
Schwartz, Karlene. [BR] Making Parks Work: Strategies for Preserving Tropical Nature, 4: 435
Schwinning, S. see Weltzin, J. F.
Scoppettone, G. G. see Rood, S. B.
Scott, Eugenie C., and Glenn Branch. [SBA] Antievolutionism: Changes and Continuities, 3: 282
Scott, J. M. see Peery, C. A.
Seastedt, T. R. see Hobbie, J. E.
Seehausen, O. see Balirwa, J. S.
Seitzinger, S. P. see Galloway, J. N.
Senkowsky, Sonya. [F] Advances in Tagging, 12: 1150
———. [F] NEON: Planning for a New Frontier in Biology, 5: 456
Shaffer, M. L. see Noon, B. R.
Shanahan, Timothy. [TOB] The Evolutionary Indeterminism Thesis, 2: 163
Shanley, Patricia, and Leda Luz. [A] The Impacts of Forest Degradation on Medicinal Plant Use and Implications for Health Care in Eastern Amazonia, 6: 573
Shaw, M. R. see Weltzin, J. F.
Shindler, B. see Lach, D.
Shinn, E. A. see Garrison, V. H.
Short, A. see Nelson, R.
Shulenberger, E. see Alberti, M.
Sickman, J. O. see Fenn, M. E.
Siegwolf, R. see Pataki, D. E.
Simon, C. see Cooley, J. R.
Sladen, W. J. L. see Ellis, D. H.

Small, E. E. see Weltzin, J. F.
Smith, A. D. see Chapman, J. W.
Smith, Douglas W., Rolf O. Peterson, and Douglas B. Houston. [A] Yellowstone after Wolves, 4: 330
Smith, G. W. see Garrison, V. H.
Smith, Gordon C., Alan P. Covich, and Anne M. D. Brasher. [A] An Ecological Perspective on the Biodiversity of Tropical Island Streams, 11: 1048
Smith, M. D. see Weltzin, J. F.
Smith, M.-L. see Aber, J. D.
Smith, R. C. see Greenland, D.
Smith, S. D. see Weltzin, J. F.
Smith, Stephen V., Dennis P. Swaney, Liana Talaue-McManus, Jeremy D. Bartley, Peder T. Sandhei, Casey J. McLaughlin, Vilma D. Dupra, Chris J. Crossland, Robert W. Buddemeier, Bruce A. Maxwell, and Fredrik Wulff. [A] Humans, Hydrology, and the Distribution of Inorganic Nutrient Loading to the Ocean, 3: 235
Smith. T. D. see Clapham, P. J.
Soykan, C. see Fagan, W. F.
Sparks, J. S. see Benstead, J. P.
Sprinkle, Robert H. [FO] The Biosecurity Trust, 3: 270
Stachowitsch, M. see Clapham, P. J.
Steel, B. see Lach, D.
Stevenson, C. J. see Petersen, J. E.
Stiassny, M. L. J. see Benstead, J. P.
Stoddard, J. L. see Aber, J. D.
Stoeckle, Mark. [V] Taxonomy, DNA, and the Bar Code of Life, 9: 796
Strauss, Steven H. [V] Regulating Biotechnology as though Gene Function Mattered, 5: 453
Strayer, David L., Mary E. Power, William F. Fagan, Steward T. A. Pickett, and Jayne Belnap. [A] A Classification of Ecological Boundaries, 8: 723
Sundberg, K. L. see Petersen, J. E.
Suttles, S. E. see Petersen, J. E.
Suzuki, D. see Orians, G.
Swaney, D. P. see Smith, S. V.
Swanson, F. see Foster, D.
Swanson, F. J. see Turner, M. G.
Swanson, S. see Rood, S. B.
Symstad, Amy J., F. Stuart Chapin III, Diana H. Wall, Katherine L. Gross, Laura F. Huenneke, Gary G. Mittelbach, Debra P. C. Peters, and David Tilman. [A] Long-Term and Large-Scale Perspectives on the Relationship between Biodiversity and Ecosystem Functioning, 1: 89
Talaue-McManus, L. see Smith, S. V.
Taylor, B. L. see Clapham, P. J.
Thacker, Paul D. [F] Morphology: The Shape of Things to Come, 6: 544
———. [F] Understanding Fungi through Their Genomes, 1: 10
Tharakan, P. J. see Volk, T. A.
Thiele, D. see Clapham, P. J.
Thomlinson, J. R. see Grau, H. R.
Tilman, D. see Foster, D.
———. see Symstad, A. J.
Tissue, D. T. see Weltzin, J. F.
Tonnesen, G. S. see Fenn, M. E.
Turner, Monica G. [BR] Primary Succession and Ecosystem Rehabilitation, 11: 1129
Turner, Monica G., Scott L. Collins, Ariel E. Lugo, John J. Magnuson, T. Scott Rupp, and Frederick J. Swanson. [A] Disturbance Dynamics and Ecological Response: The Contribution of Long-Term Ecological Research, 1: 46
Turner, R. Eugene, and Nancy N. Rabalais. [A] Linking Landscape and Water Quality in the Mississippi River Basin for 200 Years, 6: 563
Unnasch, R. S. see Parrish, J. D.
Valdes, L. M. see Paerl, H. W.
Valenti, M. A. see Nelson, R.
van Kessel, C. see Pataki, D. E.
Volk, Timothy A., Pradeep J. Tharakan, Lawrence P. Abrahamson, and Edwin H. White. [L] Greater Potential for Renewable Biomass Energy, 7: 620
Von Herbing, Ione Hunt. [BR] Bigelow and Schroeder's Fishes of the Gulf of Maine, 8: 772
Wade, P. R. see Clapham, P. J.
Wagner, P. L. see Rood, S. B.
Wall, D. H. see Symstad, A. J.
Walters, Christina. [BR] Life at the Limits: Organisms in Extreme Environments, 5: 524
Wang, Y. see Zhu, Y.
Wanink, J. H. see Balirwa, J. S.
Watanabe, Myrna. [BB] Zoos Act as Sentinels for Infectious Diseases, 8: 792
Weathers, K. C. see Cadenasso, M. L.
Weis, Judith. [BB] Fish Flounder through Captive Breeding, 5: 536
Welcomme, R. L. see Balirwa, J. S.
Weltzin, Jake F., and David G. Williams. [E] Isotopes for Ecosystems, 9: 795
Weltzin, Jake F., Michael E. Loik, Susanne Schwinning, David G. Williams, Philip A. Fay, Brent M. Haddad, John Harte, Travis E. Huxman, Alan K. Knapp, Guanghui Lin, William T. Pockman, M. Rebecca Shaw, Eric E. Small, Melinda D. Smith, Stanley D. Smith, David T. Tissue, and John C. Zak. [A] Assessing the Response of Terrestrial Ecosystems to Potential Changes in Precipitation, 10: 941
Whitall, D. see Driscoll, C. T.
White, E. H. see Volk, T. A.
Williams, D. G. see Weltzin, J. F.
Wilson, E. O. see Orians, G.
Witte, F. see Balirwa, J. S.
Wolff, Jerry O. [FO] Laboratory Studies with Rodents: Facts or Artifacts? 4: 421
Woodwell, G. see Orians, G.
Wright, R. A. see Garvey, J. E.
Wu, Rongling, Chang-Xing Ma, Xiang-Yang Lou, and George Casella. [A] Molecular Dissection of Allometry, Ontogeny, and Plasticity: A Genomic View of Developmental Biology, 11: 1041
Wulff, F. see Smith, S. V.
Zak, J. C. see Weltzin, J. F.

Zeigler, Robert S. [BR] Farmers, Scientists, and Plant Breeding: Integrating Knowledge and Practice, 11: 1130
Zhu, Youyong, Yunyue Wang, Hairu Chen, and Bao-Rong Lu. [A] Conserving Traditional Rice Varieties through Management for Crop Diversity, 2: 158
Zimmerman, J. K. see Grau, H. R.
Zou, X. see Grau, H. R.
Zumbrunnen, C. see Alberti, M.

AIBSnews

AERC Supports AIBS Tracking of Ecosystem Research Funding, 3: 298
AIBS and ESA Collaborate on Chapter for AAAS Report, 6: 606
AIBS Convenes NEON Coordination and Implementation Conference, Invites Comments, 9: 892
AIBS Council Meets 23–24 March, 3: 298
AIBS Launches Emerging Public Policy Leader Award Program, 3: 298
AIBS Launches New Funding Drive for the AIBS Public Policy Office, 9: 899
AIBS Launches New Web Site, 10: 1015
AIBS Launches Online *Federal Register* Resource for Biologists, 6: 607
AIBS Participates in New Coalition for Increased Funding of USGS, 9: 899
AIBS Past President Receives Blue Planet Award, 8: 781
AIBS Presents Distinguished Scientist, Outstanding Service, Education, and Other Awards at Annual Meeting, 5: 529
AIBS President Gary S. Hartshorn Named World Forestry Center President, 10: 1014
AIBS Public Policy Office Expands Areas of Coverage, Staff, 2: 186
AIBS Public Policy Office Issues Year-End Report, Seeks Additional Funding, 2: 186
AIBS Seeking Biologists to Participate in the Science and Engineering Congressional Visits Day, 2–3 April 2003, 2: 187
AIBS Seeks Endorsements of IBRCS White Paper on NEON, 7: 682
AIBS Seeks Postdoctoral Fellow for Project on History of AIBS, 12: 1236
AIBS Showcases NEON at Annual Congressional Exhibit, 8: 780
AIBS Student Chapter Reports, 8: 780
AIBS Submits Comments on Priorities for Infrastructure Projects at NSF to National Academies Committee, 7: 682
AIBS Submits Comments to NRC on Proposed Taxonomy of the Life Sciences, 3: 297
AIBS 2004 Annual Meeting Dates and Theme Announced; Council Meeting Date Set, 7: 683
Announcing the *BioScience* Bulk-Purchase Program for AIBS Member Societies and Organizations, 11: 1135
BioOne Publishers and Partners Meeting, 14 March 2003, 2: 187
BioScience Moves to Electronic Submission, 1: 106
BioScience Seeks the Most Beautiful Experiments in Biology, 8: 782
Candidates' Statements for 2003 AIBS Board Elections, 9: 893
Cornell Center for the Environment Joins AIBS, 12: 1237
Draft Report from IBRCS NEON Coordination and Implementation Conference Now Open for Public Comment, 11: 1137
Executive Summary of the IBRCS White Paper, 5: 526
IBRCS/NEON White Paper to Be Released 25 March, 3: 298
IBRCS Issues Report on NEON Coordination and Implementation, 12: 1236
IBRCS Releases White Paper on NEON, 4: 440
IBRCS White Paper Released, 5: 526
Individual Access to BioOne Journals Available, 6: 606
Lectures from 2003 AIBS Annual Meeting on Bioethics Now Online for Free Viewing, 9: 892
NAS Study on NEON Under Way—Several AIBS Members Submit Comments at First Meeting, 8: 780
New AIBS Board Members for 2003, 1: 103
New Benefit for BioOne Publishers: Electronic Manuscript Systems, 3: 296
Now Online: Roundtable on the Future of Environmental Observatory Networks, 6: 606
NRC Requests Help Identifying Subfields in the Life Sciences, 7: 683
One-Day Registration Opens for AIBS Annual Meeting, 21–23 March, 3: 299
Plan to Participate: 2004 Congressional Visits Day, 11: 1136
Recent Public Policy Reports Online at *www.aibs.org*, 1: 106
Recent Public Policy Reports Online at *www.aibs.org*, 2: 188
Recent Public Policy Reports Online at *www.aibs.org*, 3: 299
Recent Public Policy Reports Online at *www.aibs.org*, 4: 442
Recent Public Policy Reports Online at *www.aibs.org*, 5: 532
Recent Public Policy Reports Online at *www.aibs.org*, 6: 608
Recent Public Policy Reports Online at *www.aibs.org*, 7: 684
Recent Public Policy Reports Online at *www.aibs.org*, 8: 782
Recent Public Policy Reports Online at *www.aibs.org*, 9: 904
Recent Public Policy Reports Online at *www.aibs.org*, 10: 1016
Recent Public Policy Reports Online at *www.aibs.org*, 11: 1137
Recent Public Policy Reports Online at *www.aibs.org*, 12: 1237
Register Now for the 2004 AIBS Annual Meeting on Invasive Species, 11: 1136
Results of the AIBS Board of Directors Election, 12: 1236
Slate of Candidates for 2003 AIBS Board Elections Approved, 7: 684
Two New Societies Join the AIBS Federation, 10: 1015
2004 Annual Meeting Content Expands, 12: 1236
2003 AIBS Salary Survey Results, 11: 1135
VOTE NOW! AIBS Board Election Under Way, 10: 1014
Wanted: AIBS/NCSE State Evolution List Server Managers, 7: 683
What Do You Want NEON to Do for You? AIBS Wants to Know! 1: 105
Winners of 2003 AIBS Media Awards Announced, 4: 440

Articles

African and Asian Dust: From Desert Soils to Coral Reefs, Virginia H. Garrison, Eugene A. Shinn, William T. Foreman, Dale W. Griffin, Charles W. Holmes, Christina A. Kellogg, Michael S. Majewski, Laurie L. Richardson, Kim B. Ritchie, and Garriet W. Smith, 5: 469
Are We Conserving What We Say We Are? Measuring Ecological Integrity within Protected Areas, Jeffrey D. Parrish, David P. Braun, and Robert S. Unnasch, 9: 851
Assessing Management Effectiveness and Setting Priorities in Protected Areas in KwaZulu-Natal, Peter S. Goodman, 9: 843
Assessing the Response of Terrestrial Ecosystems to Potential Changes in Precipitation, Jake F. Weltzin, Michael E. Loik, Susanne

Schwinning, David G. Williams, Philip A. Fay, Brent M. Haddad, John Harte, Travis E. Huxman, Alan K. Knapp, Guanghui Lin, William T. Pockman, M. Rebecca Shaw, Eric E. Small, Melinda D. Smith, Stanley D. Smith, David T. Tissue, and John C. Zak, 10: 941

Biodiversity and Fishery Sustainability in the Lake Victoria Basin: An Unexpected Marriage? John S. Balirwa, Colin A. Chapman, Lauren J. Chapman, Ian G. Cowx, Kim Geheb, Les Kaufman, Rosemary H. Lowe-McConnell, Ole Seehausen, Jan H. Wanink, Robin L. Welcomme, and Frans Witte, 8: 703

Biotic Globalization: Does Competition from Introduced Species Threaten Biodiversity? Mark A. Davis, 5: 481

Boundaries in Miniature: Two Examples from Soil, Jayne Belnap, Christine V. Hawkes, and Mary K. Firestone, 8: 739

Classification of Ecological Boundaries, A, David L. Strayer, Mary E. Power, William F. Fagan, Steward T. A. Pickett, and Jayne Belnap, 8: 723

Comparison of Freshwater Macroinvertebrate Communities on Small Caribbean Islands, A, David Bass, 11: 1094

Conservation Plan for Native Fishes of the Lower Colorado River, A, W. L. Minckley, Paul C. Marsh, James E. Deacon, Thomas E. Dowling, Philip W. Hedrick, William J. Matthews, and Gordon Mueller, 3: 219

Conserving Madagascar's Freshwater Biodiversity, Jonathan P. Benstead, Patrick H. de Rham, Jean-Luc Gattolliat, François-Marie Gibon, Paul V. Loiselle, Michel Sartori, John S. Sparks, and Melanie L. J. Stiassny, 11: 1101

Conserving Traditional Rice Varieties through Management for Crop Diversity, Youyong Zhu, Yunyue Wang, Hairu Chen, and Bao-Rong Lu, 2: 158

Damming Tropical Island Streams: Problems, Solutions, and Alternatives, James G. March, Jonathan P. Benstead, Catherine M. Pringle, and Frederick N. Scatena, 11: 1069

Disturbance Dynamics and Ecological Response: The Contribution of Long-Term Ecological Research, Monica G. Turner, Scott L. Collins, Ariel E. Lugo, John J. Magnuson, T. Scott Rupp, and Frederick J. Swanson, 1: 46

Ecological Consequences of Socioeconomic and Land-Use Changes in Postagriculture Puerto Rico, The, H. Ricardo Grau, T. Mitchell Aide, Jess K. Zimmerman, John R. Thomlinson, Eileen Helmer, and Xioming Zou, 12: 1159

Ecological Effects of Nitrogen Deposition in the Western United States, Mark E. Fenn, Jill S. Baron, Edith B. Allen, Heather M. Rueth, Koren R. Nydick, Linda Geiser, William D. Bowman, James O. Sickman, Thomas Meixner, Dale W. Johnson, and Peter Neitlich, 4: 404

Ecological Perspective on the Biodiversity of Tropical Island Streams, An, Gordon C. Smith, Alan P. Covich, and Anne M. D. Brasher, 11: 1048

Ecological Variability in Space and Time: Insights Gained from the US LTER Program, Timothy K. Kratz, Linda A. Deegan, Mark E. Harmon, and William K. Lauenroth, 1: 57

Ecosystem Responses to Global Climate Change: Moving Beyond Color Mapping, Oswald J. Schmitz, Eric Post, Catherine E. Burns, and Kevin M. Johnston, 12: 1199

Energetic Adaptations along a Broad Latitudinal Gradient: Implications for Widely Distributed Assemblages, James E. Garvey, Dennis R. Devries, Russell A. Wright, and Jeffrey G. Miner, 2: 141

Flows for Floodplain Forests: A Successful Riparian Restoration, Stewart B. Rood, Chad R. Gourley, Elisabeth M. Ammon, Lisa G. Heki, Jonathan R. Klotz, Michael L. Morrison, Dan Mosley, G. Gary Scoppettone, Sherman Swanson, and Paul L. Wagner, 7: 647

Framework for a Theory of Ecological Boundaries, A, Mary L. Cadenasso, Steward T. A. Pickett, Kathleen C. Weathers, and Clive G. Jones, 8: 750

Geomorphology, Development of Running Water Habitats, and Evolution of Black Flies on Polynesian Islands, Douglas A. Craig, 11: 1079

Global Spread of Parasites, The: What Do Hawaiian Streams Tell Us? William F. Font, 11: 1061

Humans, Hydrology, and the Distribution of Inorganic Nutrient Loading to the Ocean, Stephen V. Smith, Dennis P. Swaney, Liana Talaue-McManus, Jeremy D. Bartley, Peder T. Sandhei, Casey J. McLaughlin, Vilma D. Dupra, Chris J. Crossland, Robert W. Buddemeier, Bruce A. Maxwell, and Fredrik Wulff, 3: 235

Impacts of Forest Degradation on Medicinal Plant Use and Implications for Health Care in Eastern Amazonia, The, Patricia Shanley and Leda Luz, 6: 573

Impacts of Human Disturbances on Biotic Communities in Hawaiian Streams, Anne M. D. Brasher, 11: 1052

Importance of Land-Use Legacies to Ecology and Conservation, The, David Foster, Frederick Swanson, John Aber, Ingrid Burke, Nicholas Brokaw, David Tilman, and Alan Knapp, 1: 77

Integrating Edge Detection and Dynamic Modeling in Quantitative Analyses of Ecological Boundaries, William F. Fagan, Marie-Josée Fortin, and Candan Soykan, 8: 730

Integrating Humans into Ecology: Opportunities and Challenges for Studying Urban Ecosystems, Marina Alberti, John M. Marzluff, Eric Shulenberger, Gordon Bradley, Clare Ryan, and Craig Zumbrunnen, 12: 1169

Interdisciplinary and Synthetic Approach to Ecological Boundaries, An, Mary L. Cadenasso, Steward T. A. Pickett, Kathleen C. Weathers, Susan S. Bell, Tracy L. Benning, Margaret M. Carreiro, and Todd E. Dawson, 8: 717

Is Nitrogen Deposition Altering the Nitrogen Status of Northeastern Forests? John D. Aber, Christine L. Goodale, Scott V. Ollinger, Marie-Louise Smith, Alison H. Magill, Mary E. Martin, Richard A. Hallett, and John L. Stoddard, 4: 375

Landscape Restoration: Moving from Generalities to Methodologies, Karen D. Holl, Elizabeth E. Crone, and Cheryl B. Schultz, 5: 491

Linking Landscape and Water Quality in the Mississippi River Basin for 200 Years, R. Eugene Turner and Nancy N. Rabalais, 6: 563

Long-Term and Large-Scale Perspectives on the Relationship between Biodiversity and Ecosystem Functioning, Amy J. Symstad, F. Stuart Chapin III, Diana H. Wall, Katherine L. Gross, Laura F. Huenneke, Gary G. Mittelbach, Debra P. C. Peters, and David Tilman, 1: 89

Long-Term Research on Biosphere–Atmosphere Interactions, David Greenland, Bruce P. Hayden, John J. Magnuson, Scott V. Ollinger, Roger A. Pielke Sr., and Raymond C. Smith, 1: 33

Modeled Climate-Induced Glacier Change in Glacier National Park, 1850–2100, Myrna H. P. Hall and Daniel B. Fagre, 2: 131
Molecular Dissection of Allometry, Ontogeny, and Plasticity: A Genomic View of Developmental Biology, Rongling Wu, Chang-Xing Ma, Xiang-Yang Lou, and George Casella, 11: 1041
Multiscale Experiments in Coastal Ecology: Improving Realism and Advancing Theory, John E. Petersen, W. Michael Kemp, Rick Bartleson, Walter R. Boynton, Chung-Chi Chen, Jeffrey C. Cornwell, Robert H. Gardner, Deborah C. Hinkle, Edward D. Houde, Thomas C. Malone, William P. Mowitt, Laura Murray, Lawrence P. Sanford, J. Court Stevenson, Karen L. Sundberg, and Steve E. Suttles, 12: 1181
Nitrogen Cascade, The, James N. Galloway, John D. Aber, Jan Willem Erisman, Sybil P. Seitzinger, Robert W. Howarth, Ellis B. Cowling, and B. Jack Cosby, 4: 341
Nitrogen Emissions, Deposition, and Monitoring in the Western United States, Mark E. Fenn, Richard Haeuber, Gail S. Tonnesen, Jill S. Baron, Susanne Grossman-Clarke, Diane Hope, Daniel A. Jaffe, Scott Copeland, Linda Geiser, Heather M. Rueth, and James O. Sickman, 4: 391
Nitrogen Pollution in the Northeastern United States: Sources, Effects, and Management Options, Charles T. Driscoll, David Whitall, John Aber, Elizabeth Boyer, Mark Castro, Christopher Cronan, Christine L. Goodale, Peter Groffman, Charles Hopkinson, Kathleen Lambert, Gregory Lawrence, and Scott Ollinger, 4: 357
Phytoplankton Photopigments as Indicators of Estuarine and Coastal Eutrophication, Hans W. Paerl, Lexia M. Valdes, James L. Pinckney, Michael F. Piehler, Julianne Dyble, and Pia H. Moisander, 10: 953
Protected Area Assessments in Perspective, Jamison Ervin, 9: 819
Rapid Assessment of Protected Area Management Effectiveness in Four Countries, Jamison Ervin, 9: 833
Scientific Accomplishments of the Long Term Ecological Research Program: An Introduction, John E. Hobbie, 1: 17
Shedding Light on Ultraviolet Radiation and Amphibian Embryos, Lawrence E. Licht, 6: 551
Systems for Assessing the Effectiveness of Management in Protected Areas, Marc Hockings, 9: 823
Temporal Separation and Speciation in Periodical Cicadas, John R. Cooley, Chris Simon, and David C. Marshall, 2: 151
Thirteen Years of Shifting Top-Down and Bottom-Up Control, Peter L. Meserve, Douglas A. Kelt, W. Bryan Milstead, and Julio R. Gutiérrez, 7: 633
Tracing Changes in Ecosystem Function under Elevated Carbon Dioxide Conditions, Diane E. Pataki, David S. Ellsworth, R. Dave Evans, Miquel Gonzales-Meler, John King, Steven W. Leavitt, Guanghui Lin, Roser Matamala, Elise Pendall, Rolf Siegwolf, Chris van Kessel, and James R. Ehleringer, 9: 805
US Long Term Ecological Research Program, The, John E. Hobbie, Stephen R. Carpenter, Nancy B. Grimm, James R. Gosz, and Timothy R. Seastedt, 1: 21
Using Mechanistic Models to Scale Ecological Processes across Space and Time, Edward B. Rastetter, John D. Aber, Debra P. C. Peters, Dennis S. Ojima, and Ingrid C. Burke, 1: 68
Where Has All the White Oak Gone? Marc D. Abrams, 10: 927
Yellowstone after Wolves, Douglas W. Smith, Rolf O. Peterson, and Douglas B. Houston, 4: 330

BioBriefs

British Biologists Form Biosciences Federation, Cathy Lundmark, 11: 1144
Bubble Bursts for Biosphere, Jeffrey P. Cohn, 3: 308
Building Better Phylogenetic Trees, Cathy Lundmark, 12: 1242
Discovering Life on Earth, Cathy Lundmark, 12: 1242
Diversity Deters Invaders, Cathy Lundmark, 9: 912
Fish Flounder through Captive Breeding, Judith Weis, 5: 536
Give Me Shelter, Elia T. Ben-Ari, 6: 616
Hybrid Vigor in Corn, Cathy Lundmark, 9: 912
Iridescent Butterflies, Cathy Lundmark, 7: 688
Marine Reserve Model Protects Biodiversity and Fisheries, Cathy Lundmark, 2: 196
Negotiating the Trade-offs of Conservation, A, Cathy Lundmark, 1: 116
Night Lights, Cathy Lundmark, 7: 688
Plant–Microbe Interactions Go Airborne, Elia T. Ben-Ari, 6: 616
Possible Propensity for Sexual Selection, A, Cathy Lundmark, 4: 444
Potato Gene for Blight Resistance Cloned, Cathy Lundmark, 9: 912
Scientists Recommend "Go Slow" with Introduction of Nonnative Oysters in Chesapeake Bay, Cathy Lundmark, 10: 1024
Sexual Selection of Complex Songs, Cathy Lundmark, 4: 444
What Wilderness Remains, Cathy Lundmark, 2: 196
Zoos Act as Sentinels for Infectious Diseases, Myrna Watanabe, 8: 792

Biologist's Toolbox

Improving Size Estimates of Open Animal Populations by Incorporating Information on Age, Bryan F. J. Manly, Trent L. McDonald, Steven C. Amstrup, and Eric V. Regehr, 7: 666
Multiple Resource Inventory of Delaware Using Airborne Laser Data, A, Ross Nelson, Michael A. Valenti, Austin Short, and Cherry Keller, 10: 981
Vertical-Looking Radar: A New Tool for Monitoring High-Altitude Insect Migration, Jason W. Chapman, Don R. Reynolds, and Alan D. Smith, 5: 503

Biology in History

On Science and Literature: A Lesson from the Bernard–Zola Case, Fiorenzo Conti and Silvana Irrera Conti, 9: 865
Wildlife Encounters by Lewis and Clark: A Spatial Analysis of Interactions between Native Americans and Wildlife, Andrea S. Laliberte and William J. Ripple, 10: 994

Book Reviews

Acquiring Genomes: A Theory of the Origins of Species, by Lynn Margulis and Dorion Sagan, reviewed by Thomas Cavalier-Smith, 10: 1008
Bigelow and Schroeder's Fishes of the Gulf of Maine, edited by Bruce B. Collette and Grace Klein-MacPhee, reviewed by Ione Hunt Von Herbing, 8: 772
Biological Invasions: Economic and Environmental Costs of Alien Plant, Animal, and Microbe Species, edited by David Pimentel,

reviewed by Jamie K. Reaser, Alexis Gutierrez, and Laura Meyerson, 6: 598
Citizen's Guide to Ecology, A, by Lawrence B. Slobodkin, reviewed by Denise Lach, 9: 888
Complex Population Dynamics: A Theoretical/Empirical Synthesis, by Peter Turchin, reviewed by Wayne M. Getz, 9: 885
Earth Remains Forever: Generations at a Crossroads, by Rob Jackson, reviewed by Thomas Dietz, 9: 884
Ecological Stoichiometry: The Biology of Elements from Molecules to the Biosphere, by Robert Warner Sterner and James J. Elser, reviewed by David S. Schimel, 5: 521
Eugene Odum: Ecosystem Ecologist and Environmentalist, by Betty Jean Craige, reviewed by Kate M. Joyce, 12: 1229
Farmers, Scientists, and Plant Breeding: Integrating Knowledge and Practice, edited by David A. Cleveland and Daniela Soleri, reviewed by Robert S. Zeigler, 11: 1130
Generic Tree Flora of Madagascar, by George E. Schatz, reviewed by Laurence J. Dorr, 7: 678
Herpetology: An Introductory Biology of Amphibians and Reptiles, by George R. Zug, Laurie J. Vitt, and Janalee P. Caldwell, reviewed by Maureen Kearney, 3: 286
Hierarchical Perspectives on Marine Complexities: Searching for Systems in the Gulf of Maine, by Spencer Apollonio, reviewed by James E. Garvey, 10: 1004
Insect Physiology and Biochemistry, by James L. Nation, reviewed by Catherine Loudon, 10: 1006
Introduction to Conservation Genetics, by Richard Frankham, Jonathan D. Ballou, and David A. Briscoe, reviewed by Hugh B. Britten, 3: 291
Invertebrates, by Richard C. Brusca and Gary J. Brusca, reviewed by Douglas J. Eernisse, 8: 774
Liaisons of Life: From Hornworts to Hippos, How the Unassuming Microbe Has Driven Evolution, by Tom Wakeford, reviewed by Lynn Margulis, 2: 179
Lichens of North America, by Irwin M. Brodo, Sylvia Duran Sharnoff, and Stephen Sharnoff, reviewed by Lynn Margulis and Eva Barreno, 8: 776
Life at the Limits: Organisms in Extreme Environments, by David A. Wharton, reviewed by Christina Walters, 5: 524
Life History Evolution, by Derek A. Roff, reviewed by Linden Higgins, 2: 183
Lost World of the Moa: Prehistoric Life of New Zealand, by Trevor H. Worthy and Richard N. Holdaway, reviewed by Paul S. Martin, 4: 434
Making Parks Work: Strategies for Preserving Tropical Nature, edited by John Terborgh, Carel van Schaik, Lisa Davenport, and Madhu Rao, reviewed by Karlene Schwartz, 4: 435
Marine Biology: Function, Biodiversity, Ecology, by Jeffrey S. Levinton, reviewed by Carol Mankiewicz, 3: 288
Misunderstood Gene, The, by Michel Morange, reviewed by John R. Jungck, 1: 100
New Economy of Nature, The: The Quest to Make Conservation Profitable, edited by Gretchen C. Daily and Katherine Ellison, reviewed by Brian Czech, 2: 180
Physiological Systems in Insects, by Marc J. Klowden, reviewed by Catherine Loudon, 10: 1006
Plague of Rats and Rubbervines, A: The Growing Threat of Species Invasions, by Yvonne Baskin, reviewed by Jeffrey A. Lockwood, 1: 99
Plant Resins: Chemistry, Evolution, Ecology, and Ethnobotany, by Jean H. Langenheim, reviewed by Campbell Plowden, 12: 1233
Policy Process, The: A Practical Guide for Natural Resource Professionals, by Tim W. Clark, reviewed by Mark Schaefer, 5: 520
Primary Succession and Ecosystem Rehabilitation, by Lawrence R. Walker and Roger del Moral, reviewed by Monica G. Turner, 11: 1129
Primer of Genome Science, A, by Greg Gibson and Spencer Muse, reviewed by Mark Lubkowitz, 3: 290
Principles of Animal Locomotion, by R. McNeill Alexander, reviewed by Henry C. Bennet-Clark, 6: 600
Searching for Sustainability: Interdisciplinary Essays in the Philosophy of Conservation Biology, by Bryan G. Norton, reviewed by John Cairns Jr., 10: 1007
State of the Nation's Ecosystems, The: Measuring the Lands, Waters, and Living Resources of the United States, by H. John Heinz III Center for Science, Economics, and the Environment, reviewed by Barry R. Noon, 7: 674
Story of Life, The, by Richard Southwood, reviewed by Norman Myers, 7: 676
Terrorism, Radicalism, and Populism in Agriculture, by Luther Tweeten, reviewed by Dennis Keeney, 9: 890
Understanding Urban Ecosystems: A New Frontier for Science and Education, edited by Alan R. Berkowitz, Charles H. Nilon, and Karen S. Hollweg, reviewed by Michael L. McKinney, 11: 1132
Water Follies: Groundwater Pumping and the Fate of America's Fresh Waters, by Robert Glennon, reviewed by Denise D. Fort, 6: 601
Way of the Cell, The: Molecules, Organisms, and the Order of Life, by Franklin M. Harold, reviewed by Margaret Ginzburg, 12: 1230
Wildlife Restoration: Techniques for Habitat Analysis and Animal Monitoring, by Michael L. Morrison, reviewed by Lianne C. Ball, 4: 436

Editorials

Can Sustainable Mahogany Stem from CITES Science? Bruce D. Rodan and Arthur G. Blundell, 7: 619
Combining Tradition and Science, Timothy M. Beardsley, 2: 119
Decline of Oak Forests, The, Craig G. Lorimer, 10: 915
Elevated Inputs of Reactive Nitrogen in the Environment: Causes, Consequences, and Controls, Charles T. Driscoll, 4: 311
Isotopes for Ecosystems, Jake F. Weltzin and David G. Williams, 9: 795
Lifeboat for a Lake, A, Timothy M. Beardsley, 8: 691
NEON Illuminated, Jeffrey A. Goldman, 5: 447
Open Access? Open Wallets! Richard T. O'Grady, 11: 1027
Seeing the (UV) Light, Timothy M. Beardsley, 6: 539
Toast to Technology, A, Timothy M. Beardsley, 3: 199
Visa Restrictions and Science, Gary S. Hartshorn, 12: 1147
Your AIBS, Gary S. Hartshorn, 1: 3

Education

Application of Research on Learning to College Teaching: Ecological Examples, Charlene D'Avanzo, 11: 1121
Disciplinary Research Strategies for Assessment of Learning, Diane Ebert-May, Janet Batzli, and Heejun Lim 12: 1221
Evolutionary Biology in the Medical School Curriculum, Randolph M. Nesse and Joshua D. Schiffman, 6: 585
Twenty Questions: What Have the Courts Said about the Teaching of Evolution and Creationism in Public Schools? Randy Moore, Murray Jensen, and Jay Hatch, 8: 766

Eye on Education

BEN: The Biology Branch of the National Science Digital Library, Cathy Lundmark, 7: 631
BioBlitz: Getting into Backyard Biodiversity, Cathy Lundmark, 4: 329
Plant Blindness, William Allen, 10: 926
Preparing Biologists for the 21st Century, M. Patricia Morse, 1: 9

Features

Bioethics in a Changing World: Report from AIBS's 54th Annual Meeting, Cheryl Lyn Dybas, 9: 798
Coming of Age at 100: Renewing the National Wildlife Refuge System, Mari N. Jensen, 4: 321
Getting the Drop on Hawaiian Invasives, Sharon Levy, 8: 694
Harmful Algal Blooms: Biosensors Provide New Ways of Detecting and Monitoring Growing Threat in Coastal Waters, Cheryl Lyn Dybas, 10: 918
High-Tech Surveillance: Adapting New Technology for Marine Studies, Sonya Senkowsky, 12: 1150
Island Biogeography's Lasting Impact, Fred Powledge, 11: 1032
Morphology: The Shape of Things to Come, Paul D. Thacker, 6: 544
NEON: Planning for a New Frontier in Biology, Sonya Senkowsky, 5: 456
Neutral Theory: A New, Unified Model for Ecology, Scott Norris, 2: 124
New View of Saguaros, Jeffrey P. Cohn, 3: 213
Perfect Windstorm Study, Christine Mlot, 7: 624
Phantom Forest: Research on Gene-Altered Trees Leaps Ahead, into a Regulatory Limbo, Steve Nash, 5: 462
Turbulence in the Klamath River Basin, Sharon Levy, 4: 315
Understanding Fungi through Their Genomes, Paul D. Thacker, 1: 10

Forum

Advocacy and Credibility of Ecological Scientists in Resource Decisionmaking: A Regional Study, Denise Lach, Peter List, Brent Steel, and Bruce Shindler, 2: 170
Biological Stoichiometry: An Ecological Perspective on Tumor Dynamics, James J. Elser, John D. Nagy, and Yang Kuang, 11: 1112
Biosecurity Trust, The, Robert H. Sprinkle, 3: 270
Conservation Planning for US National Forests: Conducting Comprehensive Biodiversity Assessments, Barry R. Noon, Dennis D. Murphy, Steven R. Beissinger, Mark L. Shaffer, and Dominick DellaSala, 12: 1217
Costs and Effectiveness of Funding the Conservation of Australian Threatened Birds, The, Stephen Garnett, Gabriel Crowley, and Andrew Balmford, 7: 658
Ecological Effects of Ranching: A Six-Point Critique, Jerome E. Freilich, John M. Emlen, Jeffrey J. Duda, D. Carl Freeman, and Philip J. Cafaro, 8: 759
Framework for Assessing the Risk of Transgenic Crops, A, James F. Hancock, 5: 512
Has Coral Bleaching Delayed Our Understanding of Fundamental Aspects of Coral–Dinoflagellate Symbioses? Peter J. Edmunds and Ruth D. Gates, 10: 976
Laboratory Studies with Rodents: Facts or Artifacts? Jerry O. Wolff, 4: 421
Living Fossils: On Lampreys, *Baronia*, and the Search for Medicinals, Thomas Eisner, 3: 265
Motorized Migrations: The Future or Mere Fantasy? David H. Ellis, William J. L. Sladen, William A. Lishman, Kent R. Clegg, Joseph W. Duff, George F. Gee, and James C. Lewis, 3: 260
Plant Introduction, Distribution, and Survival: A Case Study of the 1980 Sino-American Botanical Expedition, Michael Dosmann and Peter Del Tredici, 6: 588
Public Ownership of US Streambeds and Floodplains: A Basis for Ecological Stewardship, Bruce B. Dykaar and David A. Schrom, 4: 428
Taxonomic Chauvinism and the Methodologically Challenged, Samraat Pawar, 9: 861

Letters

Aiding and Abetting the Whaling Industry, Sidney Holt, 5: 449
Amphibians in a Very Bad Light, Andrew R. Blaustein and Lee B. Kats, 11: 1028
Greater Potential for Renewable Biomass Energy, Timothy A. Volk, Pradeep J. Tharakan, Lawrence P. Abrahamson, and Edwin H. White, 7: 620
Japan's Proper Whaling Research, Dan Goodman, 5: 448
Mistaken Identity, William Z. Lidicker Jr., 1: 4
Neutral Judges in a Debate on Scientific Merits? Richard N. Mott, 3: 203
Protecting Green Infrastructure, John Kostyack, 1: 5
Ranking Forest Rarity: No Need to Reinvent that Wheel! Don Faber-Langendoen, 3: 200
Renewable Energy: Getting the Numbers Straight, Hortense Michaud-Lalanne and Mario Lalanne, 4: 312
Response by Licht, Lawrence E. Licht, 11: 1029
Response from Froelich, Adrienne Froelich, 1: 4
Response from Innes and Er, John L. Innes and Kenneth B. H. Er, 2: 200
Response from McKinney, Michael L. McKinney, 1: 5
Response from Pimentel, 4: 312
Response from Pimentel, 7: 621
Response to Mott from Aron, Burke, and Freeman, William Aron, William T. Burke, and Milton Freeman, 3: 204
"Scientists versus Whaling": Whose Errors of Judgment? Gordon Orians, Frederic Briand, Jared Diamond, Theo Colborn, Edgardo Gomez, Roger Guillemin, Sir Aaron Klug, Masakazu Konishi, Jane Lubchenco, Laurence Mee, Elliott Norse, Giuseppe Notarbartolo di Sciara, Roger Payne, Carl Safina, David Suzuki, Edward O. Wilson, and George Woodwell, 3: 200
Tortuous History of "Scientific" Japanese Whaling, Sidney J. Holt, 3: 204

Plenary

Bioethics: Are Our Priorities Right? Paul R. Ehrlich, 12: 1207

What Darwin's Finches Can Teach Us about the Evolutionary Origin and Regulation of Biodiversity, B. Rosemary Grant and Peter R. Grant, 10: 965

Professional Biologist

Conserving Ecosystems Locally: A Role for Ecologists in Land-Use Planning, Len Broberg, 7: 670

Working with K–12 Schools: Insights for Scientists, Rosalyn McKeown, 9: 870

Roundtable

Crossroads of Animal, Plant, and Microbial Physiological Ecology, Vincent P. Gutschick and Arnold J. Bloom, 3: 256

Special Book Articles

Antievolutionism: Changes and Continuities, Eugenie C. Scott and Glenn Branch, 3: 282

Environment, The: Collateral Victim and Tool of War, Robert Jarrett, 9: 880

Stewardship for the Earth: A Review of Some Recent Books on Biology and Values, Michael Ruse, 9: 876

Which We, Whose Wisdom, Whither the Mountain West? Richard B. Norgaard, 3: 278

Thinking of Biology

Best and the Worst of Times for Evolutionary Biology, The, John C. Avise, 3: 247

Evolutionary Indeterminism Thesis, The, Timothy Shanahan, 2: 163

Viewpoint

Biodiversity Hotspots Revisited, Norman Myers, 10: 916

"Evo-Devo" and the Conundrum of Sympatric Speciation, Wayne Getz, 4: 313

Four-Winged Dinosaurs, Bird Precursors, or Neither? Kevin Padian, 5: 450

Leaders and Followers in the Intelligent-Design Movement, Jason Rosenhouse, 1: 6

Millennium Ecosystem Assessment, The: Science and Policy for Sustainable Development, Cristián Samper, 12: 1148

New Climate-Change Data Place Policymakers in the Hot Seat, John C. Pugh, 6: 542

Pacific Salmon: Setting Ecologically Defensible Recovery Goals, Christopher A. Peery, Kathleen L. Kavanagh, and J. Michael Scott, 7: 622

Regulating Biotechnology as though Gene Function Mattered, Steven H. Strauss, 5: 453

Taxonomy, DNA, and the Bar Code of Life, Mark Stoeckle, 9: 796

Teaching Darwin with Darwin, James T. Costa, 11: 1030

Training Future Ethical Leaders of Science, Richard K. Boohar, 8: 692

Ultraviolet-B and Amphibia, W. Ronald Heyer, 6: 540

Union of Ecology and Evolution, The: Extended Phenotypes and Community Genetics, Jeffry B. Mitton, 3: 208

Whaling as Science, Phillip J. Clapham, Per Berggren, Simon Childerhouse, Nancy A. Friday, Toshio Kasuya, Laurence Kell, Karl-Hermann Kock, Silvia Manzanilla-Naim, Giuseppe Nortabartolo di Sciara, William F. Perrin, Andrew J. Read, Randall R. Reeves, Emer Rogan, Lorenzo Rojas-Bracho, Tim D. Smith, Michael Stachowitsch, Barbara L. Taylor, Deborah Thiele, Paul R. Wade, and Robert L. Brownell Jr., 3: 210

What Conservation Can Learn from Other Fields about Monitoring and Evaluation, Nick Salafsky and Richard Margoluis, 2: 120

Washington Watch

Are University Natural Science Collections Going Extinct? Robert E. Gropp, 6: 550

Army Corps: Retreating or Issuing a New Assault on Wetlands? Adrienne Froelich, 2: 130

Evolution Activists Organize to Combat Pseudoscience in Public Schools, Robert E. Gropp, 8: 700

Evolving Taxonomy of Biological Research, Robert E. Gropp, 5: 468

Fresh Approaches to Freshwater Research, Noreen Parks, 3: 218

New Legislation Advocates Free Access to Scientific Publications, but at What Cost? Adrienne Froelich, 9: 804

Ocean Policymakers Shift Attention Upstream, Adrienne Froelich, 7: 630

Smithsonian Science: First Class on a Coach Budget, Adrienne Froelich, 4: 328

Third Time a Charm for NSF's National Ecological Observatory Network? Adrienne Froelich, 12: 1158

To Publish, or Not to Publish, after 9/11, Adrienne Froelich, 1: 8

USGS: Science Serving Society, Robert E. Gropp, 10: 924

Will EPA Attain Cabinet Status? Adrienne Froelich, 11: 1040